



DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE

IN REPLYING, ADDRESS THE

January 10, 1956

Communicable Disease Center
Enteric Bacteriology Laboratories
P. O. Box 185
Chamblee, Georgia

Dr. J. Lederberg
Department of Genetics
The University of Wisconsin
Madison 6, Wisconsin

Dear Dr. Lederberg:

We introduced motility into six nonmotile cultures on the first effort with PLT22 + S. dublin. The H antigens were b-1,2 in each instance, as they should have been. Two additional nonmotile cultures were done later with negative results. These were repeated today with a stronger phage (SW435 + S. dublin, i.e. just growing the cultures together on a shaker for 48 hours). In the tubes which did not become motile there were pronounced "tracks."

*positive
motility
H not yet
examined*

Bill had a long letter from Ørskov today and he is most enthusiastic about the prospects of working with you. Also he seemed quite sanguine about the chances of everything working out.

We will be glad to send the sucrose fermenters and the r, i forms. The latter are not my personal bugs, but came from Taylor and Kauffmann and as yet are not published.

Many thanks for your remarks about linked transductions and phase variability. I can appreciate your remarks about lack of a yardstick for phase variation. From Stocker's experience, it entails a lot of work to measure this property.

With kind regards, I am

For the Officer-in-Charge, Bacteriology Section

Sincerely yours,

Phil

Philip R. Edwards, Ph. D.
Bacteriologist-in-Charge
Enteric Bacteriology Unit